

CLAIMS

1. A method of operating a GPS receiver based on a remote input of a position of a base station in a mobile communication system, the method comprising the steps 5 of:
 - self-checking an internal operation when power is initially applied;
 - requesting positional information to a Base Station Management station (BSM) when the GPS receiver is in a normal state;
 - setting an operating position according to the positional information when 10 the information is received within a set time after requesting the positional information; and
 - entering a normal operating state when at least one satellite signal is received.
- 15 2. The method of Claim 1 wherein the set time is approximately 10 seconds.
3. The method of Claim 1 further comprising the steps of:
 - starting a self-calculation of the positional information when the positional information is not received within other set time after requesting the positional 20 information;
 - checking whether at least four satellite signals are received;
 - calculating the positional information when the at least four satellite signals are received;
 - accumulating the calculated positional information for a predetermined 25 time; and
 - setting the operating position according to the calculated positional information when the accumulating time exceeds the predetermined time.
- 30 4. The method of Claim 3 wherein the other set time is approximately one minute.
- 35 5. The method of Claim 1 or 3 further comprising the steps of:
 - transmitting the calculated positional information to the Base Station Management station (BSM) when the positional information request signal is received from the BSM after setting the operating position; and
 - entering the normal operating state promptly by receiving the calculated

positional information from the BSM when the GPS receiver is re-initialized.